
BOONE COUNTY

(Boone County Water Service Area Map)

- Estimated 1999 population of 81,600--79% on public water
- Estimated 2020 population of 128,000--80% on public water
- 340 miles of water lines
- Estimated funding needs for public water 2000-2005--\$4,000,000
- Estimated funding needs for public water 2006-2020--\$0

Boone County had an estimated population of 81,603 (30,413 households) in 1999 with a projected population of 128,000 (52,400 households) in 2020. Public water is provided to about 79 percent of the county's residents. In areas of the county not served by public water, about 10 percent of the households rely on private domestic wells and 90 percent of the households rely on other sources.

Estimated Costs - Proposed Projects, 2000-2005

COUNTY/System		New Customers		Rehab	Source	Treatment	Tanks/ Pumps	Total
	Miles	Number	Cost in \$1000	in \$1000	in \$1000	in \$1000	in \$1000	in \$1000
BOONE								-
Boone Co. W/D				4,000				4,000
Florence	No new projects							-
Walton	No new projects							-
Total				4,000				4,000

PUBLIC WATER SYSTEMS

There are 20 public and semi-public water systems in Boone County: 8 community systems-- 2 municipal, the Florence Water and Sewer Commission and Walton Waterworks Department; 1 water district, Boone County Water and Sewer District; 5 private community systems; and 12 non-community systems. Portions of the county are also served by Bullock Pen Water District, Gallatin County Water District, and Northern Kentucky Water Service District.

WATER SERVICE AREAS

BOONE COUNTY

Kentucky

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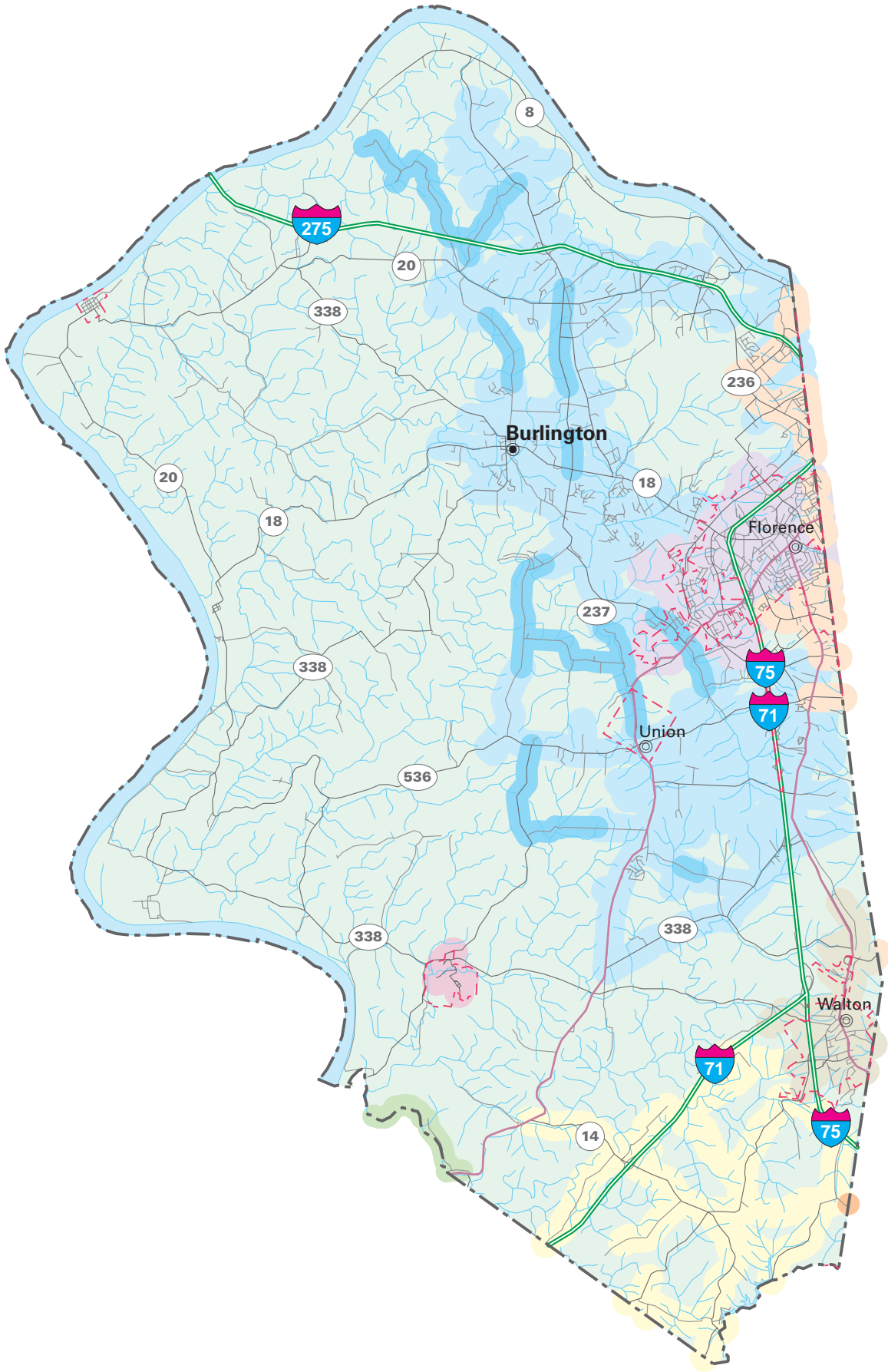
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WATER SERVICE STATUS BY OWNER		
EXISTING SERVICE AREA	PROPOSED SERVICE AREA	
		WALTON WATERWORKS DEPARTMENT
		NORTHERN KENTUCKY WATER SERVICE DISTRICT
		GALLATIN COUNTY WATER DISTRICT
		FLORENCE WATER AND SEWER COMMISSION
		BULLOCK PEN WATER DISTRICT
		BOONE COUNTY WATER AND SEWER DISTRICT
		BIG BONE LICK STATE PARK #1



FLORENCE WATER AND SEWER COMMISSION

PWSID: 0080135
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source: NORTHERN KENTUCKY WATER SERVICE DISTRICT
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD): 0.00
Percent Daily Average Production: 0.00
Total Tank Storage Capacity (gallons): 1,700,000.00
Total Service Connections: 8,676.00
Number of Employees: 30.00
Treatment Operator Class: 3D
Distribution Operator Class:
Customer Rate for 1,000 Gallons: Not available
O/M costs 1997: Not available
O/M costs per Service Connection: Not available
Net Revenue 1997: Not available
Total Water Produced 1997 (gallons): Not available
Water Sold 1997 (gallons): Not available
Unaccounted-for Water 1997 (%): Not available

The Florence Water and Sewer Commission purchases its water from the Northern Kentucky Water Service District. Florence has 8,676 service connections serving a population of approximately 26,000. It has 6,694 residential customers using a total volume in 1998 of 540,211,584 gallons, 1,597 commercial customers who used 344,283,456 gallons, and 27 industrial customers who used 12,867,844 gallons. The average daily usage for the last twelve months was 3,200,000 gallons per day. Florence has no treatment or pumping facilities of its own. They have a storage capacity of 1,700,000 gallons in 2 tanks located within the city. The Florence Water and Sewer Commission has 30 full-time employees.

All households within Florence are being serviced with city water. Florence is growing at a rapid rate, and the city continues to be able to serve them thanks to the virtually limitless supply of water that the Northern Kentucky Water Service District can provide.

BOONE COUNTY WATER AND SEWER DISTRICT

PWSID: 0080034
System Type: COMMUNITY
Owner Type: WATER DISTRICT
Surface Source:
Purchase Source: NORTHERN KENTUCKY WATER SERVICE DISTRICT
Well Source:
Sells Water to:

Treatment Plant Capacity (MGD):.....	0.00
Percent Daily Average Production:.....	0.00
Total Tank Storage Capacity (gallons):	300,000.00
Total Service Connections:	12,126.00
Number of Employees:.....	20.00
Treatment Operator Class:	3D
Distribution Operator Class:	
Customer Rate for 1,000 Gallons:.....	2.50
O/M costs 1997:.....	3,348,472.00
O/M costs per Service Connection:	295.96
Net Revenue 1997:	331,776.00
Total Water Produced 1997 (gallons):.....	0.00
Water Sold 1997 (gallons):.....	1,405,603,667.00
Unaccounted-for Water 1997 (%):	2.28

WALTON WATERWORKS DEPARTMENT

PWSID:	0080442
System Type:.....	COMMUNITY
Owner Type:	MUNICIPAL
Surface Source:	
Purchase Source:	NORTHERN KENTUCKY WATER SERVICE DISTRICT
Well Source:	
Sells Water to:	BULLOCK PEN WATER DISTRICT
Treatment Plant Capacity (MGD):.....	0.00
Percent Daily Average Production:.....	0.00
Total Tank Storage Capacity (gallons):	300,000.00
Total Service Connections:	1,003.00
Number of Employees:.....	5.00
Treatment Operator Class:	2D
Distribution Operator Class:	
Customer Rate for 1,000 Gallons:.....	Not available
O/M costs 1997:.....	Not available
O/M costs per Service Connection:	Not available
Net Revenue 1997:	Not available
Total Water Produced 1997 (gallons):.....	Not available
Water Sold 1997 (gallons):.....	Not available
Unaccounted-for Water 1997 (%):	Not available

OTHER WATER SYSTEMS

HILLSIDE TRAILER PARK

Hillside Trailer Park is located in Boone County. The system serves a population of 150 and has 45 service connections. The private, community system has treatment capacity of 7,375 gallons per day. The water source is surface water from a lake.

TRAPP WATER COMPANY

Trapp Water Company is located in Boone County. The system serves a population of 450 and has 1 service connection. The private, community system has treatment capacity of 252,000 gallons per day and the water source is from wells.

ARLINGHAUS PROPERTY

Arlinghaus Property is located in Boone County. The system serves a population of 36 and has 8 service connections. The private, community system has treatment capacity of 14,400 gallons per day and the water source is wells.

BIRKLE WATER SUPPLY

Birkle Water Supply is located in Boone County. The system serves a population of 260 and has 1 service connection. The private, community system has treatment capacity of 201,600 gallons per day and the water source is wells.

RAUH WATER SUPPLY

Rauh Water Supply is located in Boone County. The system serves a population of 330 and has 1 service connection. The private, community system has treatment capacity of 360,000 gallons per day and the water source is wells.

BULLITTSBURG BAPTIST ASSEMBLY

Bullittsburg Baptist Assembly is located in Boone County. The system serves a population of 25 and has 2 service connections. The private, transient, non-community system has treatment capacity of 44,270 gallons per day and the water source is wells.

BIG BONE LICK STATE PARK #1

PWSID: 0082026
System Type:..... NON TRANSIENT NON COMMUNITY
Owner Type:STATE
Surface Source:.....BIG BONE LICK LAKE
Purchase Source:
Well Source:
Sells Water to:
Treatment Plant Capacity (MGD):..... 0.14
Percent Daily Average Production:..... 14.00
Total Tank Storage Capacity (gallons): 100,000.00
Total Service Connections: 62.00
Number of Employees:..... 2.00
Treatment Operator Class: 1D

Distribution Operator Class:.....	2A
Customer Rate for 1,000 Gallons:.....	Not available
O/M costs 1997:.....	Not available
O/M costs per Service Connection:	Not available
Net Revenue 1997:.....	Not available
Total Water Produced 1997 (gallons):.....	Not available
Water Sold 1997 (gallons):.....	Not available
Unaccounted-for Water 1997 (%):	Not available

CAMP TURNABOUT

Camp Turnabout is located in Boone County. The system serves a population of 429 and has 130 service connections. The private, transient, non-community system has treatment capacity of 81,600 gallons per day and the water source is wells.

C G&E EAST BEND

C G&E East Bend is located in Boone County. The system serves a population of 150 and has 1 service connection. The private, non-transient, non-community system has treatment capacity of 480,000 gallons per day and the water source is wells.

RIVER RIDGE PARK INC

River Ridge Park Inc is located in Boone County. The system serves a population of 150 and has 75 service connections. The private, transient, non-community system has treatment capacity of 24,000 gallons per day and the water source is wells

RIVERSHORE SPORTS COMPLEX

Rivershore Sports Complex is located in Boone County. The system serves a population of 25 and has 1 service connection. The private, transient, non-community system water source is wells.

RIVERLAND PARK

Riverland Park is located in Boone County. The system serves a population of 50 and has 45 service connections. The private, transient, non-community system has treatment capacity of 9,000 gallons per day and the water source is wells.

CAMP MICHAEL DAN BEARD COUNCIL

Camp Michael Dan Beard Council is located in Boone County. The system serves a population of 50 and has 2 service connections. The private, transient, non-community

system has treatment capacity of 3,200 gallons per day. The water is purchased from Boone County Water Co.

BOB'S FAMILY RESTAURANT

Bob's Family Restaurant is located in Boone County. The system serves a population of 150 and has 1 service connection. The private, transient, non-community system has treatment capacity of 2,350 gallons per day. The water is purchased from Boone County Water Co.

KELLEY ELEMENTARY SCHOOL

Kelley Elementary School is located in Boone County. The system serves a population of 355 and has 1 service connection. The local, non-transient, non-community system has treatment capacity Potters Ranch of 25,000 gallons per day and the water source is wells.

POTTERS RANCH

Potters Ranch is located in Boone County. The system serves a population of 100 and has 15 service connections. The private, non-transient, non-community system water source is wells.

TRADITIONS GOLF CLUB

Traditions Golf Club is located in Boone County. The system serves a population of 25 and has 1 service connection and is a private, transient, non-community system.

PRIVATE DOMESTIC SYSTEMS:

About 15,900 residents of Boone County rely on private domestic water systems: 1,600 on wells and 14,300 on cisterns, hauled water, and other sources.

The alluvium along the Ohio River is the best source of ground water in the county. Many properly constructed drilled wells will produce several hundred gallons per minute from the alluvium, with most wells able to produce enough for a domestic supply at depths of less than 100 feet. Water is hard or very hard but otherwise of good quality.

In the lower sections of the larger creek valleys most drilled wells will produce enough water for a domestic supply at depths of less than 100 feet. Some wells located in the smaller creek valleys will produce enough water for a domestic supply except during dry weather. In the

upland areas of Boone County that encompasses approximately 70% of the county, most drilled wells will not produce enough water for a dependable domestic supply except along drainage lines which may produce enough water except during dry weather. Ground water in these areas is hard or very hard and may contain salt or hydrogen sulfide, especially at depths greater than 100 feet.
